

(b) reacting said compounds in the presence of a copper, nickel, or palladium catalyst while maintaining said compounds at a temperature of 22°C to 150°C for 24 to 92 hours, to form a first polymer;

(c) treating said polymer with an endcapping group to form a capped polymer;
and

(d) further reacting said capped polymer for 24 to 48 hours to produce said polymer.

25 (original). The device of Claim 21, wherein the device is selected from a light-emitting diode, a light-emitting diode display, a laser diode, a photodetector, photoconductive cell, photoresistor, photoswitch, phototransistor, phototube, IR-detector, photovoltaic device, solar cell, transistor or diode.

Remarks

The following remarks are responsive to the Examiner's rejection in the Office Action dated January 9, 2009.

Status of the Claims

Claims 1-11 and 13-25 are pending. Claims 1-11, 13-23 and 25 stand rejected as anticipated by at least one of two references. Claim 24 is allowed.

Amendments to the Claims

Claim 1 is amended herein to recite that when E is $(\text{SiR}^5\text{R}^6)_m$ and m is 1, R^3 is selected from phenyl, 1-naphthyl, and 2-naphthyl. Support for this can be found in original Claim 8. Claim 1 is further amended to delete "and n is greater than 1" when E is (CR^5R^6) .

Claim 9 is amended herein to recite that when E = O or S, R^2 is not H.

Claim 20 is amended analogously to Claims 1 and 9.

Claim 24 is amended to delete the phrase "when E = O, R^2 is not H.

No new matter is introduced by these amendments.

Claims Rejections – 35 U.S.C. § 102

(1) Claims 1-8, 20-23 and 25 stand rejected under 35 U.S.C. § 102(a) as being anticipated by WO03/064373, as translated in US Publication 2005/0067951 ("Richter").

Applicants respectfully submit that this rejection has been overcome by the amendments to Claims 1 and 20. There are no compounds in Richter, either explicitly drawn or in the tables, which have the structure of Formula (I), as amended. In compound 7 of Richter, there are two triphenylsilyl groups, one of which may correspond to Applicants' E group. However, the second triphenylsilyl group is not the same as Applicants' R^3 , which is selected from phenyl, 1-naphthyl and 2-naphthyl.

Applicants respectfully submit that Claims 1-8, 20-23 and 25 are not anticipated by Richter, and request that this rejection be withdrawn

(2) Claims 9-11, 13-23 and 25 stand rejected under 35 U.S.C. § 102(b) as being anticipated by Tokoli et al., U.S. Patent 4,665,000 ("Tokoli").

Applicants respectfully submit that this rejection has been overcome by the amendments to Claims 9 and 20. There is no compound in Tokoli having the formula (III) where E is O or S and R² is not H.

Applicants respectfully submit that Claims 9-11, 13-23 and 25 are not anticipated by Tokoli, and request that this rejection be withdrawn.

Claim Allowance

Applicants acknowledge, with appreciation, the Examiner's allowance of Claim 24. Applicants respectfully submit that Claim 24, as amended herein, is still allowable over both Richter and Tokoli. Neither of these references teaches the process of Claim 24 for producing a polymer.

Conclusion

In view of the foregoing remarks, Applicants submit that the above referenced application is in condition for allowance. A Notice of Allowance for the pending claims is earnestly requested.

Should there be any questions about the content of this paper or the status of the application, the Examiner is invited to call the undersigned at the telephone number listed below.

Respectfully submitted,

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